

Called Mr. Delany, New York, & gave
verbal approval of Commencement during
6/16/69

Scherie

9-19-69 plugging program by P.W.B.

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 9-20-69

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.✓

State or Fee Land

LOGS FILED

Driller's Log. 10-7-69

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

Sub. Rpt. of Alan Donment

9-5-90 fca

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Austral Oil Company, Incorporated

3. ADDRESS OF OPERATOR

2700 Humble Building, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

870' from West line and 1500' from North line, Section

At proposed prod. zone
13, T-35-S, R-6-E, Garfield County, Utah
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 miles Northeast of Escalante, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

800'

16. NO. OF ACRES IN LEASE

1280

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

4500'

19. PROPOSED DEPTH

1200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Not Available

22. APPROX. DATE WORK WILL START*

on approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

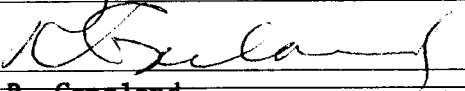
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8"	7	17	30'	3 yds.
4-3/4"	2-3/8	4.7	1200	110 sks

Drill 8-5/8" hole to approximately 30', set 7" casing and cement full length. Drill 4-3/4" hole to 1,200' with air. If hole cannot be drilled with air, water or a light gelled mud will be used. A conventional core will be taken in the Moenkopi Formation. Evaluation of the well bore will be done by Electrical Surveys and drill stem testing. If testing indicates productive well, 2-3/8" casing will be set and cemented to surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Drilling Production Superintendent
June 11, 1969

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

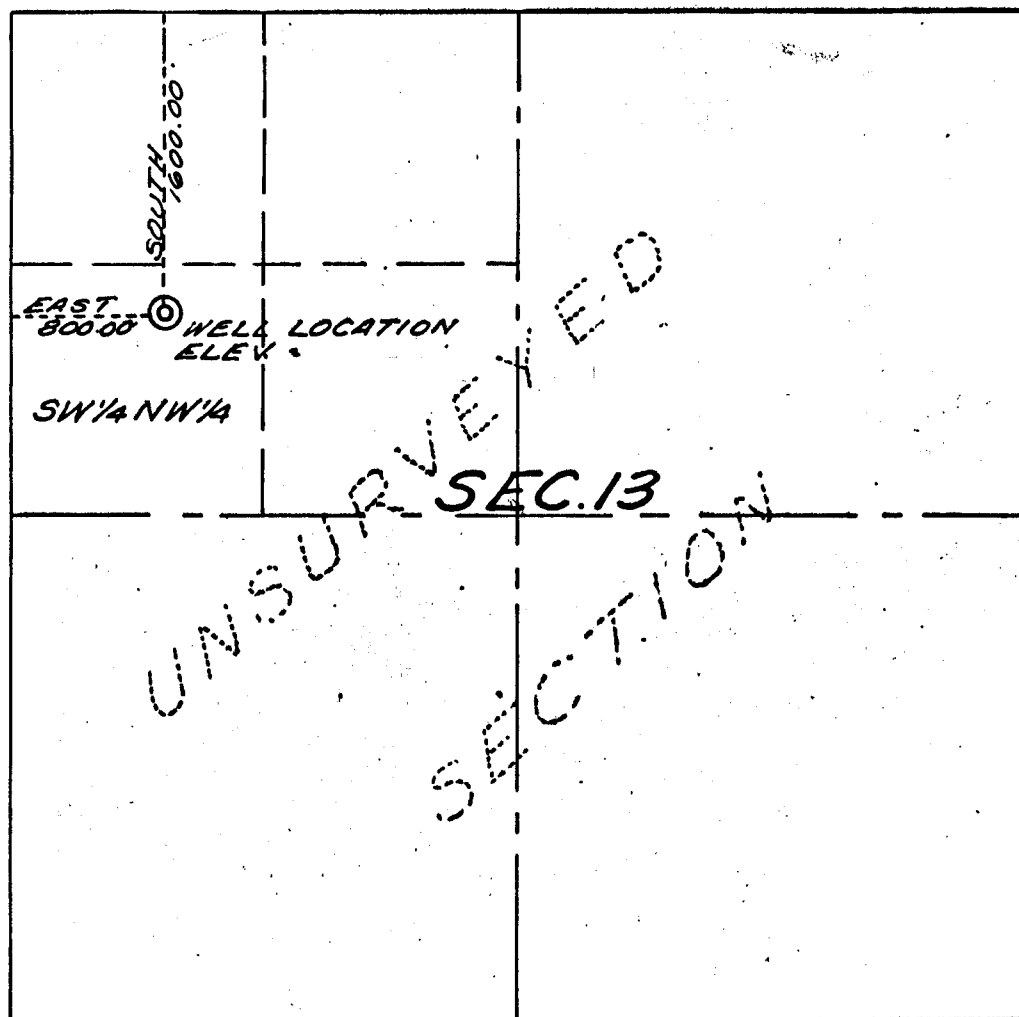
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T.35S., R. 6E. OF THE S. L. M.



WELL LOCATION

43-017-35517

FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
NE SW 1/4 NW 1/4, SECTION 13

T.35S., R. 6W. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH ~ 150.0 FEET ELEV. *

REF. POINT: NORTH ~ 300.0 FEET ELEV. *

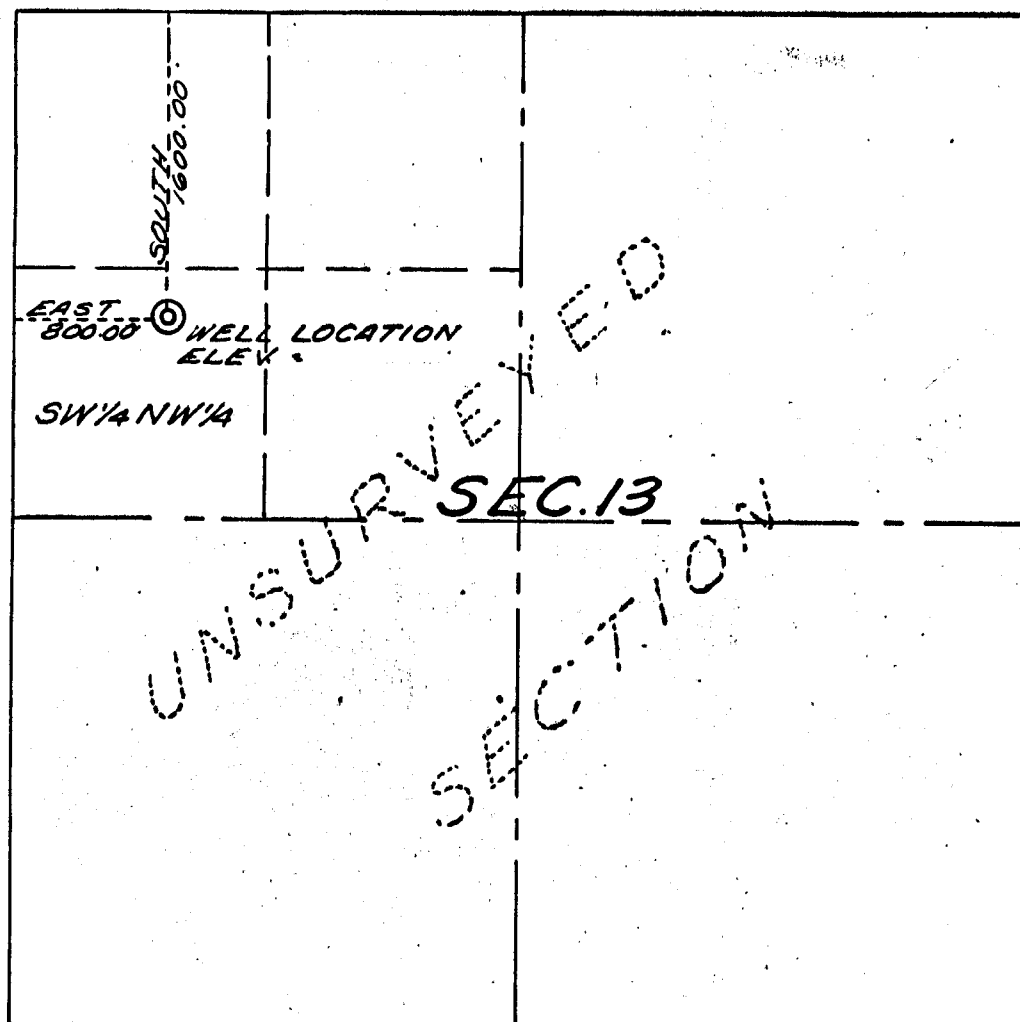
THIS IS TO CERTIFY THAT
THE WELL LOCATION SHOWN
ON THIS PLAT WAS PLOTTED
FROM FIELD NOTES OF
ACTUAL SURVEYS MADE BY
ME OR UNDER MY SUPER-
VISION AND THAT THE SAME
ARE TRUE AND CORRECT
TO THE BEST OF MY KNOW-
LEDGE AND BELIEF.

DATE SURVEYED:
JUNE 10, 1969

SCARROW & WALKER INC.
REGISTERED LAND SURVEYORS
GLENWOOD SPRINGS, COLORADO

BY TOM WALKER
CERTIFICATE NO. 1548

T.35S., R. 6E. OF THE S. L. M.



WELL LOCATION

FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
SW 1/4 NW 1/4, SECTION 13

T.35S., R. 6W. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH ~ 150.0 FEET ELEV.

REF. POINT: NORTH ~ 300.0 FEET ELEV.

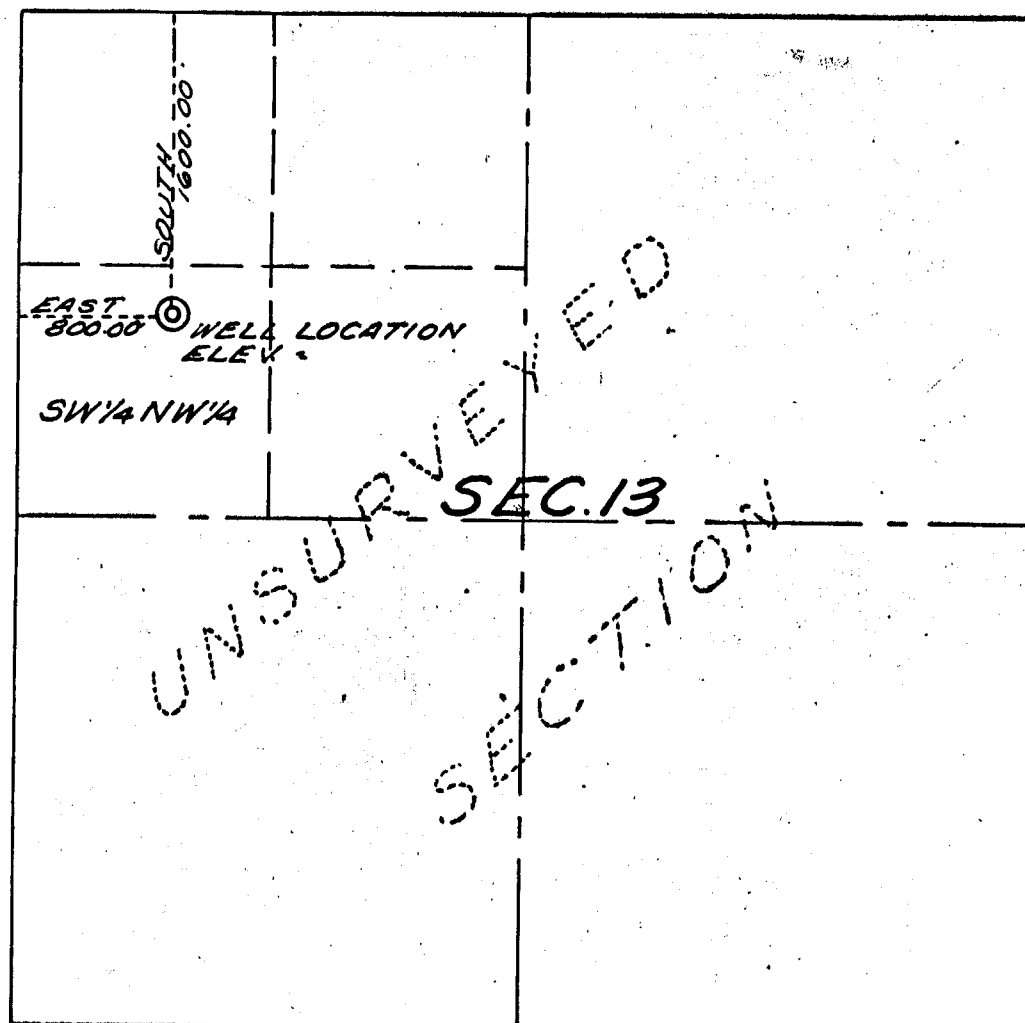
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WELL LOCATION

FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
SW 1/4 NW 1/4, SECTION 13

T.35S., R. 6W. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH-150.0 FEET ELEV.

REF. POINT: NORTH-300.0 FEET ELEV.

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DATE SURVEYED:
JUNE 10, 1969

SCARROW & WALKER INC.
REGISTERED LAND SURVEYORS
GLENWOOD SPRINGS, COLORADO

BY TOM WALKER
CERTIFICATE NO. 1548

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Austral Oil Company, Incorporated

3. ADDRESS OF OPERATOR

2700 Humble Building, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

800' from West line and 1600' from North line, Section

13, T-35-S, R-6-E, Garfield County, Utah

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 miles Northeast of Escalante, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

800'

16. NO. OF ACRES IN LEASE

1280

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

4500'

19. PROPOSED DEPTH

1200

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Not Available

23.

PROPOSED CASING AND CEMENTING PROGRAM

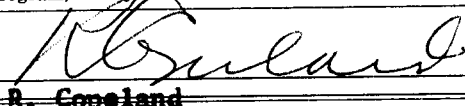
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
8-5/8"	7"	17	30'
4-3/4"	2-3/8"	4.7	1200

Drill 8-5/8" hole to approximately 30', set 7" casing and cement full length. In 4-3/4" hole to 1,200' with air. If hole cannot be drilled with air, water or a light gelled mud will be used. A conventional core will be taken in the Moonkopi formation. Evaluation of the well bore will be done by Electrical Surveys and drill stem testing. If testing indicates productive well, 2-3/8" casing will be set and cemented to surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured depths and proposed blowout preventer program, if any.

24.

SIGNED



(This space for Federal or State office use)

TITLE

Drilling Production Support
Intendant

PERMIT NO.

43-017-30017

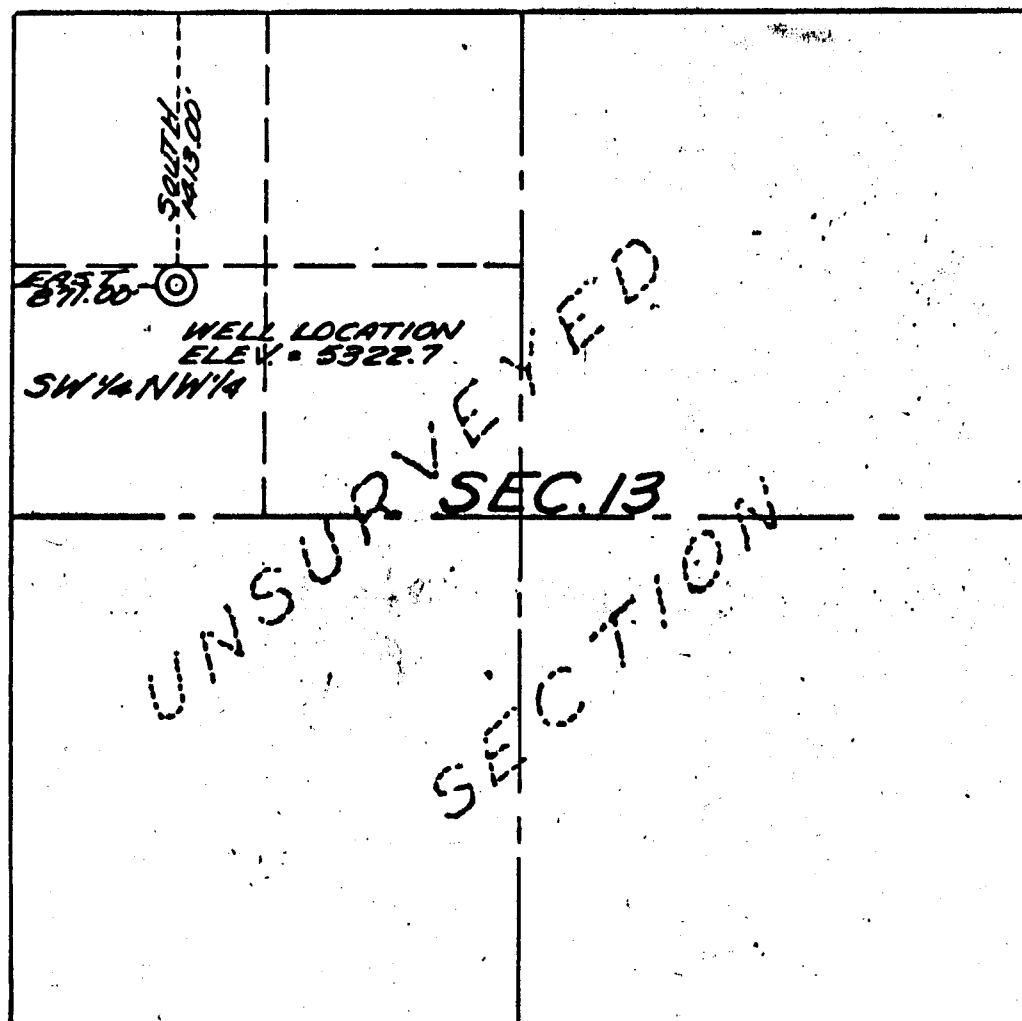
APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

T. 35 S., R. 6 E. OF THE S. L. M.



AMENDED MAP OF
WELL LOCATION
FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
SW 1/4 NW 1/4, SECTION 13

T. 35 S., R. 6 E. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH ~ 150.0 FEET ELEV. = 5317.2

REF. POINT: NORTH ~ 300.0 FEET ELEV. = 5316.3

THIS IS TO CERTIFY THAT
THE WELL LOCATION SHOWN
ON THIS PLAT WAS PLOTTED
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ACTUAL SURVEYS MADE BY
ME OR UNDER MY SUPER-
VISION AND THAT THE SAME
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LEDGE AND BELIEF.

DATE SURVEYED:
JUNE 13, 1969

SCARROW & WALKER INC.
REGISTERED LAND SURVEYORS
GLENWOOD SPRINGS, COLORADO

BY TOM WALKER
CERTIFICATE NO. 1548

OIL AND GAS CONSERVATION COMMISSION

DESIGNATION OF AGENT

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Federal

LEASE NUMBER: U.S.A. 7400 - 7401 - 7402 - 7403 - 7404.
Also State Lease Nos. ML 25974 and ML 25975

and hereby designates

NAME: C. R. Geffs

ADDRESS: 2700 Humble Bldg., Houston, Texas 77002

as his (agent-operator), with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Oil and Gas Supervisor or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah with respect to (describe acreage to which this designation is applicable):

Located in: T-35-S, R-6-E SLC
Sections 2,3,10,11,12,13,14,15,16,17,20,21,22,27,28 and N/2 of 33.
Containing 9,920 acres, more or less.

It is understood that this designation of (agent-operator) does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah. It is also understood that this designation of operator or agent does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated (agent-operator), the lessee will make full and prompt compliance with all regulations, lease terms or orders of the Oil and Gas Conservation Commission of the State of Utah or its authorized representative.

The lessee agrees promptly to notify the Oil and Gas Supervisor of any change in this designation.

Effective Date of Designation June 11, 1969

Company Austral Oil Company Incorporated

Address 2700 Humble Bldg., Houston, Texas 77002

By R. Copeland Title Asst. Drilling and Production Supt.
(Signature)

R. Copeland, V.P.
Drilling & Production Supt.

Scarrow and Walker, Inc.

ROBERT D. SCARROW L.S. PRES. & MGR.
TOM WALKER L.S.
ROBERT A. WAMSLEY L.S.
JEAN COLE L.S.
ROBERT L. LONGFELLOW P.E.

Reg. Land Surveyors and Engineers
Box 460
Glenwood Springs, Colo. 81601

ELECTROTAPE
CLARY COMPUTER
WILD THEODOLITE
ZEISS LEVEL
INSTRUMENT RENTALS

June 13, 1969

U. S. Geological Survey
Room 8416 - Federal Building
Salt Lake City, Utah 84111

Attn: Mr. Frank Salwerowicz

Due to an error in original survey of Location #1-13,
location had to be moved as shown on the amended plat
enclosed herewith.

SCARROW AND WALKER, INC.

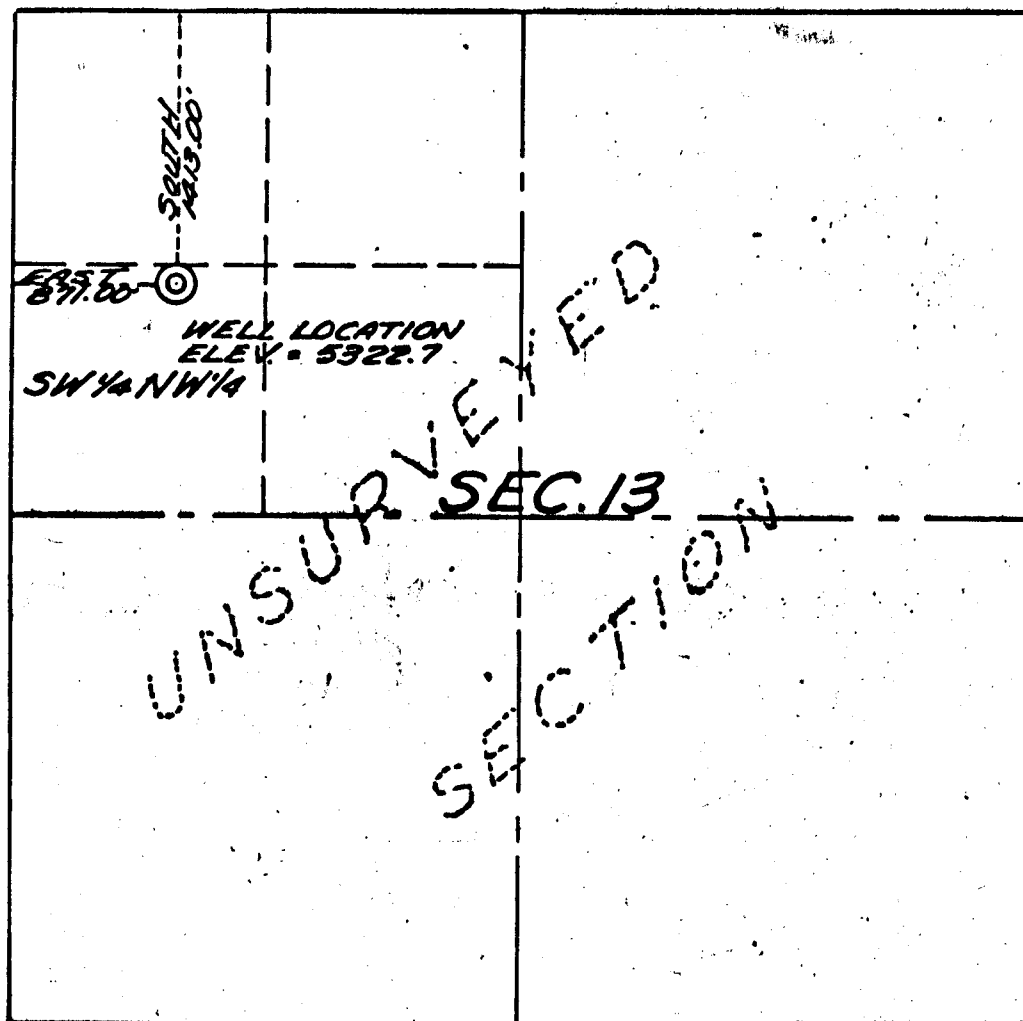
Copies to:

Bureau of Land Management Office
Kanab, Utah 84741
Attn: Mr. Fred Howard

State of Utah
Oil & Gas Conservation Service
1588 West North Temple
Salt Lake City, Utah 84111

Austral Oil Company
2700 Humble Building
Houston, Texas 77002
Attn: Mr. Buddy Jeffs

T. 35 S., R. 6 E. OF THE S. L. M.



AMENDED MAP OF
WELL LOCATION
FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
SW 1/4 NW 1/4, SECTION 13

T. 35 S., R. 6 E. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH-150.0 FEET ELEV. = 5317.2

REF. POINT: NORTH-300.0 FEET ELEV. = 5316.3

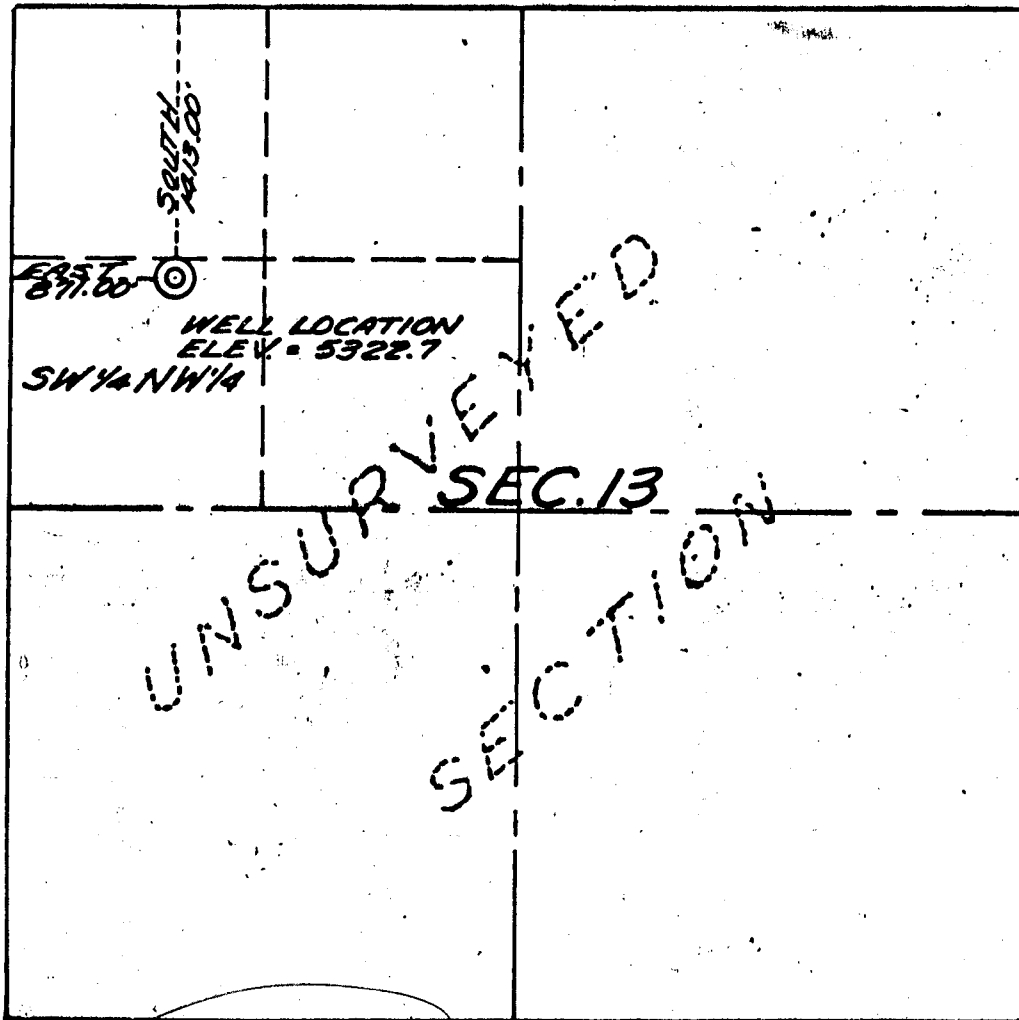
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THE WELL LOCATION SHOWN
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FROM FIELD NOTES OF
ACTUAL SURVEYS MADE BY
ME OR UNDER MY SUPER-
VISION AND THAT THE SAME
ARE TRUE AND CORRECT
TO THE BEST OF MY KNOW-
LEDGE AND BELIEF.

DATE SURVEYED:
JUNE 13, 1969

SCARROW & WALKER INC.
REGISTERED LAND SURVEYORS
GLENWOOD SPRINGS, COLORADO

BY TOM WALKER
CERTIFICATE NO. 1548

T. 35 S., R. 6 E. OF THE S. L. M.



AMENDED MAP OF
WELL LOCATION
FEDERAL NO. 1-13

AUSTRAL OIL COMPANY
HOUSTON TEXAS

SITUATED IN
SW 1/4 NW 1/4, SECTION 13

T. 35 S., R. 6 E. OF THE S. L. M.

GARFIELD COUNTY UTAH

SCALE 1 INCH = 1000 FEET

REF. POINT: NORTH-150.0 FEET ELEV. = 5377.2

REF. POINT: NORTH-300.0 FEET ELEV. = 5316.3

THIS IS TO CERTIFY THAT
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DATE SURVEYED:
JUNE 13, 1969

SCARROW & WALKER INC.
REGISTERED LAND SURVEYORS
GLENWOOD SPRINGS, COLORADO

BY TOM WALKER
CERTIFICATE NO. 1548

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Austral Oil Company, Incorporated

3. ADDRESS OF OPERATOR

2700 Humble Building, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

871' from West line and 1413' from North line, Section

At proposed prod. zone 15, T-35-S, R-6-E, Garfield County, Utah

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 miles Northeast of Escalante, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

871'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

4300'

16. NO. OF ACRES IN LEASE

1280

19. PROPOSED DEPTH

1200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5322.7'

22. APPROX. DATE WORK WILL START*

on approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8"	7	17	90' (3 its.)	20 sks.
4-3/4"	2-3/8	4.7	1200	110 sks.

1-6" Series 900 QRC

Drill 8-5/8" hole to approximately 90', set 7" casing and cement full length. Drill 4-3/4" hole to 1,200' with air. If hole cannot be drilled with air, water or a light gelled mud will be used. A conventional core will be taken in the Moenkopi Formation. Evaluation of the well bore will be done by Electrical Surveys and drill stem testing. If testing indicates productive well, 2-3/8" casing will be set and cemented to surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. Cobeland

TITLE

Drilling & Prod. Superintendent

DATE

June 16, 1969

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Austral Oil Company, Incorporated

3. ADDRESS OF OPERATOR

2700 Humble Building, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

871' from West line and 1413' from North line, Section

At proposed prod. zone 13, T-35-S, R-6-E, Garfield County, Utah

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18 miles Northeast of Escalante, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

871'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

4300'

16. NO. OF ACRES IN LEASE

1280

19. PROPOSED DEPTH

1200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5322.7'

22. APPROX. DATE WORK WILL START*

on approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8"	7	17	90' (3 its.)	20 sks.
4-3/4"	2-3/8	4.7	1200	110 sks.

1-6" Series 900 QRC

Drill 8-5/8" hole to approximately 90', set 7" casing and cement full length. Drill 4-3/4" hole to 1,200' with air. If hole cannot be drilled with air, water or a light gelled mud will be used. A conventional core will be taken in the Moenkopi Formation. Evaluation of the well bore will be done by Electrical Surveys and drill stem testing. If testing indicates productive well, 2-3/8" casing will be set and cemented to surface.

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24.

SIGNED

R. Cone Land

TITLE

Drilling & Prod. Superintendent

DATE

June 16, 1969

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

June 16, 1969

Austral Oil Company Incorporated
2700 Humble Building
Houston, Texas 77002

Re: Well No's. Federal #1-12 & #2-13
Sec's. 12 & 13, T. 35 S, R. 6 E,
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned wells on said unorthodox locations is hereby granted in accordance with Rule C-3(c). *(See 1-12 well)*

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCELL - Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your co-operation with respect to completing this form will be greatly appreciated.

Austral Oil Company Incorporated
June 16, 1969
Page 2

The API numbers assigned to these wells are: Federal #1-12, 43-017-30016, Federal 2-13, 43-017-30017, (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
Enclosures

cc: U.S. Geological Survey
Rod Smith

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah, 84111

June 16, 1969

Austral Oil Company
2700 Humble Building
Travis at Bell
Houston, Texas 77002

Attention: Roy Copeland

Gentlemen:

As discussed with Ed Davis of your office on this date, I have given verbal approval of the drilling of your two wells, well 1-12, SE $\frac{1}{4}$ sec. 12, and well 2-13, NW $\frac{1}{4}$ sec. 13, both in T. 35 S., R. 6 E., Garfield County, Utah, on lease Utah 7403. My approval is subject to certain conditions and your furnishing additional information as follows:

1. Since both wells are closer than 200' to the nearest subdivision (see 30 CFR 221.20, copy enclosed), you are requested to furnish a stipulation for each well in triplicate stating that you will not separate the adjacent 40-acre subdivisions by assignment so long as the well is in existence. Copies of the stipulation form are enclosed.
2. Submit revised permits showing revised locations as necessary, additional surface pipe and blowout preventer program. A minimum of two 30' joints of surface pipe cemented to surface and adequate blowout prevention equipment are required.

I also discussed the necessity of determining whether the hydrocarbons encountered are in liquid form as opposed to solid or semi-solid before we can approve any heat treatment or other artificial stimulation for recovery under the oil and gas lease. In this regard, it is requested that we be notified in advance of coring operations so that one of our engineers can be present when the core is pulled. I am enclosing cards with office and home phone numbers for my assistant and myself.

If you have any questions regarding any of the above, please contact this office.

Sincerely yours,

(ORIG. SGD.) R. A. SMITH

Rodney A. Smith,
District Engineer

Attachments

cc: State O&G CC ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

USA U-7403

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

2-13

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L. AND
SURVEY OR AREA

Sec. 13, T-35-S, R-6-E S1C

12. COUNTY OR PARISH 13. STATE

Garfield

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER Drilling

2. NAME OF OPERATOR

Austral Oil Company Incorporated

3. ADDRESS OF OPERATOR

2700 Humble Building, Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.) 871' from West line and 1413' from North line.

At surface

At top prod. interval

At total depth Same

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 5322.7'

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To change total permitted depth to be 2,200'.

Mr. Frank A. Salwerowic with the Dept. of Interior and Mr. Paul Burchell, State of Utah Dept. of Natural Resources has granted verbal permission to Austral's Mr. C. R. Geffs for these changes.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 9-18-69

BY Paul Burchell

18. I hereby certify that the foregoing is true and correct

SIGNED

R. Copeland

TITLE Ass't Vice President

DATE Sept. 12, 1969

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Scherer

**AUSTRAL OIL COMPANY
INCORPORATED**

PI MB

(713) 228-9461
cable-AUSTROIL

2700 Humble Building Houston, Texas 77002

September 15, 1969

United States Department of Interior
Geological Survey
8416 Federal Building
125 South State Street
Salt Lake City, Utah 84111
ATTENTION: Mr. Frank A. Salwerowic

State of Utah Oil & Gas Conservation Commission
348 South Temple
Suite 310
Salt Lake City, Utah 84111

Re: Federal Well #2-13
Wildcat
Garfield County, Utah
DB 69-24

Gentlemen:

I am enclosing an original and two (2) copies of Form 9-331 for the change in total depth for our Federal Well #2-13 located in Garfield County, Utah.

If additional information is required, please advise.

Yours very truly,

D. D. Delaney
D. D. Delaney
Chief Production Clerk

DDD:eac
Enclosures

101 of 937

"Blower Hane"
Austral O.D.

8-13

99' surface casing

989 T.D.

H.S.S. -

① 30' = 340' on bottom to 642

② 30' at base of pipe = 50' in count

③ 20' / 10' / 10' / mud after 1st plug

34' some water

Moentropi 895' started

Coring High ~ 960'

950 some water

↓
dead asphalt no d no K

2 miles after long canyon

BLM turn right & up
→ 12 miles past
second area

PMB - 9/19/69

Paul
David Cox

WM. M. BRODRICK
Geological Engineer
1022 MIDLAND SAVINGS BUILDING
DENVER, COLORADO 80202
534-3951

September 26, 1969

Austral Oil Company
2700 Humble Building
Houston, Texas 77002

Re: Geological Report

Austral Oil Company
Federal (6924) #2-13
SW NW Sec. 13 - T.35S - R.6E
Garfield County, Utah

Gentlemen:

The subject well was spudded on September 13, 1969 and was completed as a dry hole on September 20, 1969. I was present and on location for the examination and evaluation of samples from the surface to 989' T.D. The well was drilled with air from the surface to 969'. From 969' to 989' the hole was drilled without circulation and returns, and at 989' the well was abandoned in the Kaibab formation.

The following formation tops were encountered:

Elevation	5323 Gr., 5328 R.B.
Chinle	50 (+5278)
Shinarump	372 (+4956)
Moenkopi	
Red Beds	564 (+4764)
Sandstone	730 (+4598)
Asphaltic Dolo.	875 (+4453)
Kaibab	950 (+4378)
Total Depth	989

The above formation tops are corrected to Dresser Atlas log measurements.

The Federal #2-13 was drilled on a postulated stratigraphic trap, located on the southwest flank of the Circle Cliffs Anticline. It was the second of a two-well program to evaluate the prospect, and was drilled approximately one mile southwest and downdip from the first well (Federal #1-12). The primary objective was the Moenkopi sandstone, which at the outcrop, approximately two miles to the east and updip, is impregnated with asphalt. (U.S.G.S. Bulletin #1229).

The first well, the Federal #1-12, encountered the asphaltic formation from 655' to 780', but was a gray tight dolomite instead of

sandstone. It contained poor to fair, spotted to streaked asphaltic stain and residue. (See Geological Report-Fed. #1-12). In the Federal #2-13, this formation was encountered at 875' to 950'. It was a gray-green crystalline dolomite, with poor porosity. The top 15' had only a very slight show of asphalt. The next 55' was cored, which recovered gray-green dense dolomite with no shows whatsoever.

Structurally, the Federal #2-13 was 212' lower than the Federal #1-12 on the Shinarump, 212' lower on the Moenkopi Sand, and 214' lower on the Kaibab. This is approximately the regional dip in the area.

The following zones of porosity and/or shows of oil were observed in the Shinarump formation.

372' - 490' Sandstone, white to light gray, fine to medium-grained. Angular to sub-rounded. Tight. No shows. Samples mostly free sand grains. No fluid entry in hole while drilling.

The following zones of porosity and/or shows of oil were observed in the Moenkopi formation.

766' - 775' Sandstone, white to yellow, medium-grained. Light. No show. (The Gamma-ray - Neutron log indicates sandstone or carbonate rock from 730' to 766', but none was observed in the samples.) There was no fluid entry in hole while drilling.

875' - 890' Dolomite, light green to gray finely crystalline to dense. Very slight show of asphalt. No fluorescence, slight cut.

895' - 937' Dolomite, green-gray finely crystalline, pyritic, and micaceous. Slightly sandy, in part. Tight. No shows, no fluorescence or cut. (See attached core analysis.) No fluid entry while drilling hole.

937' - 946' Sandstone, light gray, medium-grained, angular. Tight. No shows. (See attached core analysis.)

Austral Oil Company
Houston, Texas

-3-

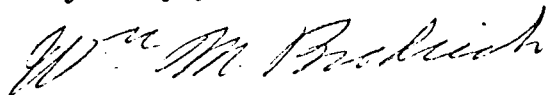
September 26, 1969

The following zones of porosity and/or shows of oil were observed in the Kaibab formation.

- 955' - 961' Dolomite, white, finely crystalline. Much disseminated black asphalt or gilsonite. Appears tight. No fluorescence, fair cut. (See attached core analysis.) No fluid entry in hole while drilling.
- 961' - 965' Dolomite, white, finely crystalline, chalky. No shows. Fair intercrystalline porosity. Some vugular porosity. (See attached core analysis.) No fluid entry in hole while drilling.

As indicated by sample evaluation, core analysis, and as there was no fluid or gas entry in the hole while drilling with air, there are no commercial oil or gas-producing zones, and it was recommended that the test be plugged and abandoned.

Very truly yours,



Wm. M. Brodrick
Geological Engineer

WMB:ar

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

BGA U-7493

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

2-11

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR E.L. AND SURVEY OR AREA

Sec. 13, T-15-S, R-6-E
SEC

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☒ OTHER **Wildcat**2. NAME OF OPERATOR
Austral Oil Company Incorporated3. ADDRESS OF OPERATOR
2700 Lashley Building, Houston, Texas 770024. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.) **871' from West line and 1413' from North line.**
At surface

At top prod. interval

At total depth Same

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5322.7' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

September 20, 1969

Spotted 30 sx - Ideal, G, 3% CaCl 2 cement 989'-642'.

Spotted 15 sx - Ideal, G, 3% CaCl 2 cement 145'-55'.

Spotted 5 sx - Ideal, G, 3% CaCl 2 cement 20'-0'.

Welded USKA Marker on top of casing.

Verbal approval received to plug well.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Asst. Vice Pres., Drilling &
Production Supt.

DATE

10-3-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-B355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		14. PERMIT NO. _____ DATE ISSUED 6-16-69		12. COUNTY OR PARISH Garfield 18. STATE Utah	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		15. DATE SPUNDED 9-14-69 16. DATE T.D. REACHED 9-18-69 17. DATE COMPL. (Ready to prod.) 9-20-69 P.A.		19. ELEV. CASING HEAD 5322.7' GR	
2. NAME OF OPERATOR Austral Oil Company Incorporated				7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR 2700 Humble Building, Houston, Texas 77002				8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 871' from West line and 1413' from North line At top prod. interval reported below _____ At total depth Same				9. WELL NO. 2-13	
10. FIELD AND POOL, OR WILDCAT Wildcat				11. SEC., T., R., M., OR BLOCK AND SURVEY OR ARDA Sec. 13, T-35-S, R-6-E	
13. INTERVALS DRILLED BY 989 Driller & 980 ES				14. COUNTY OR PARISH Garfield 18. STATE Utah	
20. TOTAL DEPTH, MD & TVD 989 Driller & 980 ES				21. PLUG, BACK T.D., MD & TVD _____	
22. IF MULTIPLE COMPL., HOW MANY* _____				23. INTERVALS DRILLED BY 0-989'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None				25. WAS DIRECTIONAL SURVEY MADE? NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrolgy - Gamma Ray Neutron				27. WAS WELL CORED? YES	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 7"	WEIGHT, LB./FT. 28	DEPTH SET (MD) 99.59'	HOLE SIZE 8-5/8"	CEMENTING RECORD 50 sx Ideal Cem. + 3# Cact	AMOUNT POOLED None
29. LINER RECORD					
SIZE None	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
30. TUBING RECORD					
SIZE None	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) None					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION Dry		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED [Signature]		TITLE Asst. Vice Pres., Drilling & Prod. Supt.		DATE 10-3-69	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			(SEE ATTACHED)	(SEE ATTACHED)		

OCT 2

October 9, 1969

Austral Oil Company Incorporated
2700 Humble Building
Houston, Texas 77002

Re: Well No's. Federal #1-12,
Sec. 12, T. 35 S., R. 6 E.,
and Federal #2-13, Sec. 13,
T. 35 S., R. 6 E., Garfield
County, Utah.

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs and the Report of Water Encountered during Drilling for the above mentioned wells are due and have not been filed with this office as required by our rules and regulations.

If electric and/or radioactivity logs were not run, please make a statement to that effect in order to keep our records accurate and complete.

It would be appreciated if you would complete the enclosed forms and forward them to this office as soon as possible.

Thank you for your cooperation with regard to this request.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

ANNETTE R. HANSEN
SECRETARY

arh

Enclosures

January 12, 1970

Austral Oil Company
2700 Humble Building
Houston, Texas 77002

Re: Well No's. Austral Federal
#1-12 & 2-13,
Sec. 12 & 13, T. 35 S, R. 6 E,
Garfield County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

If electric and/or radioactivity logs were not run, please make a statement to that effect in order to keep our records accurate and complete.

Thank you for your cooperation in this request.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

SC